

Human Leukocyte antigen A ELISA Kit | HLA A elisa kit

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CATALOG #
AAA95447

REACTIVITY
Human

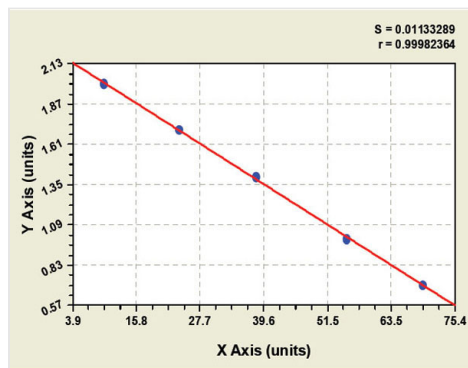
PRODUCT SYNONYMS

Leukocyte antigen A; Human Leukocyte antigen A ELISA Kit; HLA A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This HLA-A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HLA-A. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HLA A elisa kit

Principle of the assay: HLA-A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HLA-A antibody and an HLA-A-HRP conjugate. The assay sample and buffer are incubated together with HLA-A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HLA-A concentration since HLA-A from samples and HLA-A-HRP conjugate compete for the anti-HLA-A antibody binding site. Since the number of sites is limited, as more sites are occupied by HLA-A from the sample, fewer sites are left to bind HLA-A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HLA-A concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1407575
NCBI GeneID	3105
Molecular Weight	40,909 Da
NCBI Official Full Name	HLA-A
NCBI Official Synonym Full Names	major histocompatibility complex, class I, A
NCBI Official Symbol	HLA-A
NCBI Official Synonym Symbols	HLAA
NCBI Protein Information	HLA class I histocompatibility antigen, A-1 alpha chain; antigen presenting molecule; leukocyte antigen class I-A; MHC class I antigen HLA-A heavy chain
UniProt Protein Name	HLA class I histocompatibility antigen, A-68 alpha chain
UniProt Gene Name	HLA-A
UniProt Synonym Gene Names	HLAA
UniProt Entry Name	1A68_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.